

Title (en)
COUPLING ARRANGEMENT

Title (de)
KUPPLUNGSANORDNUNG

Title (fr)
AGENCEMENT D'ACCOUPLEMENT

Publication
EP 4121333 A1 20230125 (DE)

Application
EP 21702406 A 20210122

Priority
• DE 102020107744 A 20200320
• EP 2021051424 W 20210122

Abstract (en)
[origin: WO2021185497A1] The invention relates to a coupling arrangement (100) for a track-guided vehicle, more particularly a rail vehicle, comprising: a drawbar (1) having a first end portion (2) for connecting to a carriage body and a second end portion (3) opposite the first end portion (2); an articulation arrangement (4) which is provided in the second end portion (3) of the drawbar (1) and via which at least one first coupling device (20) is mounted pivotably about a horizontal articulation axis (GA), the first coupling device (20) comprising a coupling head (22) of an automatic coupling, which is connected to the articulation arrangement (4) so as to be carried along thereby; and an actuation device (6) for swinging the first coupling device (20) of the automatic coupling into or out of a horizontal coupling plane (KE) as necessary. The invention is characterized in that the actuation device (6) is fastened to the drawbar (1) and comprises at least one drive device (12) which acts on the articulation arrangement (4) eccentrically to the horizontal articulation axis (GA) and is designed to swing the first coupling device (20) into or out of the horizontal coupling plane as necessary.

IPC 8 full level
B61G 3/16 (2006.01); **B61G 5/04** (2006.01)

CPC (source: EP)
B61G 3/16 (2013.01); **B61G 5/04** (2013.01)

Citation (search report)
See references of WO 2021185497A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102020107744 A1 20210923; CN 115315381 A 20221108; EP 4121333 A1 20230125; WO 2021185497 A1 20210923

DOCDB simple family (application)
DE 102020107744 A 20200320; CN 202180022584 A 20210122; EP 2021051424 W 20210122; EP 21702406 A 20210122